

AMENDMENTS TO THE SPECIFICATION:

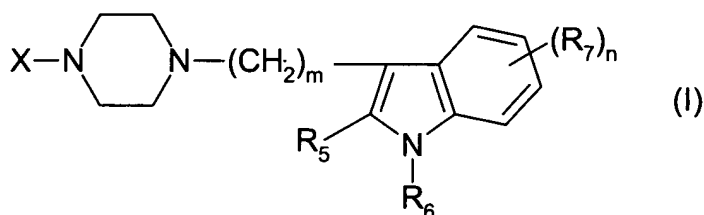
Please amend the specification as follows:

1. Add the text of the abstract as shown below. In accordance with 37 C.F.R. § 1.72(b), a copy of the abstract below commencing on a separate sheet is attached.

Abstract

The invention relates to a novel group of phenylpiperazines having interesting pharmacological properties.

The invention relates to a group of novel phenylpiperazine derivatives of the formula (I):



wherein:

- X is a group of formula 1, 2, 3, 4, 5, 6, or 7 as defined in the text,
- m has the value 2 to 6;
- n has the value 0-2;
- R_5 and R_6 are independently H or alkyl (1-3C); or R_5+R_6 represent a group $-(CH_2)_p$ wherein p has the value 3-5, and
- R_7 is alkyl (1-3C), alkoxy (1-3C), halogen or cyano; or R_6+R_7 (R_7 at position 7 of the indole group) represent a group $-(CH_2)_q$ wherein q has the value 2-4, and salts thereof.

2. Please further amend the specification as follows.

On page 1, amend the paragraph appearing at line 16 as follows:

- Y is [[C]] CH₂, O or S,

On page 2, amend the paragraph appearing at line 6 as follows:

wherein S₁ has the above meaning and Z is [[C]] CH₂, O or [[N]] NH,

On page 2, amend the paragraph appearing at lines 16-17 as follows:

wherein S₁ has the above meaning and A is O or [[N]] NH, linked to
the piperazine ring with position 5 or 8,

On page 3, amend the paragraphs appearing at lines 10-14 as follows:

P=T=Q= P, T, and Q are independently nitrogen or NH

or P=T= P and T are independently nitrogen or NH and Q [[= C]] is CH
or CH₂

or P=Q= P and Q are independently nitrogen or NH and T =C or C-
CH₃ is CH, CH₂, C-CH₃ or CH-CH₃

or P [[=]] is nitrogen or NH, and T and Q are ~~carbon~~ independently CH
or CH₂

or P [[=]] is nitrogen or NH, T is ~~carbon~~ CH or CH₂ and Q is
sulphur

**Delete the chart appearing on pages 13-17 of the specification and
replace with the following chart:**

Comp. no	X	m	Y	R ₅	R ₆	(R ₇) ⁿ	R	Z	A	S ₆ ⁺ S ₇	P	T	Q	Remarks
1	form 2	3	-	H	H	H	2-CH ₂ OH	-	-	-	-	-	-	S ₁ =H
2	1	3	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
3	3	3	-	H	H	H	-	O	-	-	-	-	-	S ₁ =H
4	3	4	-	H	H	H	-	O	-	-	-	-	-	S ₁ =H
5	3	4	-	H	H	H	-	O	-	-	-	-	-	S ₁ =H
6	3	3	-	H	CH ₃	H	-	O	-	-	-	-	-	S ₁ =H
7	2	3	-	H	H	H	3-CH ₂ OH	-	-	-	-	-	-	S ₁ =H
8	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =OXO, S ₁ =S ₂ =S ₃ =S ₅ =H
9	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
10	4	3	-	H	H	H	-	-	-	-	-	-	-	S ₁ =H
11	1	3	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₁ , S ₃ -S ₅ =H S ₂ =CH ₃
12	3	3	-	H	-(CH ₂) ₃ -	-	-	O	-	-	-	-	-	S ₁ =H
13	2	3	-	H	H	H	3-CH ₂ OH	-	-	-	-	-	-	S ₁ =H
14	1	3	CH ₂	-(CH ₂) ₄	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
15	3	3	-	H	H	5-OCH ₃	-	O	-	-	-	-	-	S ₁ =H
16	1	3	CH ₂	CH ₃	H	5-Cl	-	-	-	-	-	-	-	S ₁ -S ₅ =H
17	3	3	-	CH ₃	H	5-Cl	-	O	-	-	-	-	-	S ₁ =H
18	1	3	CH ₂	H	H	5-Br	-	-	-	-	-	-	-	S ₁ -S ₅ =H
19	3	3	-	H	H	5-Br	-	O	-	-	-	-	-	S ₁ =H
20	1	2	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
21	1	3	CH ₂	H	H	5-F	-	-	-	-	-	-	-	S ₁ -S ₅ =H
22	3	3	-	H	H	5-F	-	O	-	-	-	-	-	S ₁ =H
23	3	3	-	H	H	H	-	CH ₂	-	-	-	-	-	S ₁ =H
24	5	3	-	H	H	H	-	-	O	-	-	-	-	S ₁ =H; position 8
25	1	3	CH ₂	H	H	7-Cl	-	-	-	-	-	-	-	S ₁ -S ₅ =H

* R₇ is linked to position 7 of the indole group

Comp. no	X	m	Y	R ₅	R ₆	(R ₇) _n	R	Z	A	S ₆ +S ₇	P	T	Q	Remarks
26	form 3	3	-	H	H	7-F	-	O	-	-	-	-	-	S ₁ =H
27	1	3	CH ₂	H	H	7-F	-	-	-	-	-	-	-	S ₁ -S ₅ =H
28	3	3	-	H	H	7-Cl	-	O	-	-	-	-	-	S ₁ =H
29	3	3	-	H	H	7-CH ₃	-	O	-	-	-	-	-	S ₁ =H
30	2	3	-	H	H	H	2-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
31	7	3	-	H	H	H	-	-	-	-	N	CH ₂	CH ₂	S ₁ =H
32	1	3	CH ₂	H	H	6-Cl	-	-	-	-	-	-	-	S ₁ -S ₅ =H
33	3	3	-	H	H	6-Cl	-	O	-	-	-	-	-	S ₁ =H
34	3	3	-	H	H	5-CN	-	O	-	-	-	-	-	S ₁ =H
35	1	3	CH ₂	H	H	5-CN	-	-	-	-	-	-	-	S ₁ -S ₅ =H
36	1	3	CH ₂	H	H	4-Cl	-	-	-	-	-	-	-	S ₁ -S ₅ =H
37	3	3	-	H	H	4-Cl	-	O	-	-	-	-	-	S ₁ =H
38	1	6	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
39	1	5	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
40	1	3	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₄ =H S ₅ =CH ₃
41	1	3	S	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₁ -S ₃ =S ₅ =H
42	6	3	-	H	H	H	-	-	-	oxo	-	-	-	S ₁ =H
43	1	3	S	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
44	6	3	-	H	H	H	-	-	-	H ₂	-	-	-	S ₁ =H
45	1	4	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₁ -S ₅ =H
46	1	3	CH ₂	H	H	6-F	-	-	-	-	-	-	-	S ₁ -S ₅ =H
47	3	3	-	H	H	6-F	-	O	-	-	-	-	-	S ₁ =H
48	7	3	-	H	H	H	-	-	-	-	N	CH	NH	S ₁ =H
49	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ -S ₃ =S ₅ =H
50	1	3	CH ₂	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₁ -S ₃ =S ₅ =H

Comp .no	X	m	Y	R ₅	R ₆	(R ₇) _n	R	Z	A	S ₆ +S ₇	P	T	Q	Remarks
51	form 3	3	-	H	C ₂ H ₅	5-CN	-	O	-	-	-	-	-	S ₁ =H
52	3	3	-	H	H	H	-	NH	-	-	-	-	-	S ₁ =H
53	7	3	-	H	H	H	-	-	-	-	N	C(CH ₃)	NH	S ₁ =H
54	7	3	-	H	H	H	-	-	-	-	NH	N	CH	S ₁ =H
55	7	3	-	H	H	H	-	-	-	-	N	N	NH	S ₁ =H
56	1	3	CH ₂	H	H	4-F	-	-	-	-	-	-	-	S ₁ -S ₅ =H
57	3	3	-	H	H	4-F	-	O	-	-	-	-	-	S ₁ =H
58	1	3	CH ₂	H	H	7-Br	-	-	-	-	-	-	-	S ₁ -S ₅ =H
59	3	3	-	H	H	7-Br	-	O	-	-	-	-	-	S ₁ =H
60	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₁ =7-Cl, S ₂ =S ₃ =S ₅ =H
61	2	3	-	H	H	5-F	2-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
62	1	3	CH ₂	H	H	5,7-F ₂	-	-	-	-	-	-	-	S ₁ -S ₅ =H
63	3	3	-	H	H	5,7-F ₂	-	O	-	-	-	-	-	S ₁ =H
64	2	3	-	H	H	7-F	2-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
65	5	3	-	H	H	H	-	-	NH	-	-	-	-	S ₁ =H; position 5
66	5	3	-	H	H	5-F	-	-	NH	-	-	-	-	S ₁ =H; position 5
67	5	3	-	H	H	7-F	-	-	NH	-	-	-	-	S ₁ =H; position 5
68	2	3	-	H	H	H	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
69	2	3	-	H	H	H	2-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
70	2	3	-	H	H	5-F	2-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
71	2	3	-	H	H	5-F	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
72	2	3	-	H	H	7-F	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
73	2	3	-	H	H	7-F	2-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
74	1	3	S	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₁ -S ₃ =S ₅ =H
75	2	3	-	H	H	H	3-CH ₂ OC ₃ H ₇	-	-	-	-	-	-	S ₁ =H

Comp no	X	m	Y	R ₅	R ₆	(R ₇) _n	R	Z	A	S ₆ +S ₇	P	T	Q	Remarks
76	form.2	3	-	H	H	5-F	3-CH ₂ OC ₃ H ₇	-	-	-	-	-	-	S ₁ =H
77	2	3	-	H	H	H	3-CH ₂ OCH ₂ C=CH	-	-	-	-	-	-	S ₁ =H
78	2	3	-	H	H	5-F	3-CH ₂ OCH ₂ C=CH	-	-	-	-	-	-	S ₁ =H
79	2	3	-	H	H	7-F	3-CH ₂ OCH ₂ C=CH	-	-	-	-	-	-	S ₁ =H
80	2	3	-	H	H	H	3-CH ₂ OCH ₂ CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
81	2	3	-	H	H	5-F	3-CH ₂ OCH ₂ CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
82	2	3	-	H	H	7-F	3-CH ₂ OCH ₂ CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
83	1	3	S	H	H	5-F	-	-	-	-	-	-	-	S ₁ -S ₅ =H
84	1	3	S	H	H	H	-	-	-	-	-	-	-	S ₂ =CH ₃ , S ₁ =S ₃ -S ₅ =H
85	1	3	S	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
86	7	3	-	H	H	H	-	-	-	-	N	CH	S	S ₁ =H
87	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
88	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
89	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
90	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
91	1	3	O	H	H	7-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
92	1	3	O	H	H	7-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
93	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =CH ₃ , S ₁ =S ₃ =S ₅ =H
94	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ = phenyl, S ₁ =S ₃ =S ₅ =H
95	1	3	O	H	H	7-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ = phenyl, S ₁ =S ₃ =S ₅ =H
96	2	3	-	H	H	H	3-CH ₂ OCH ₂ CH=CH ₂	-	-	-	-	-	-	S ₁ =H
97	2	3	-	H	H	5-F	3-CH ₂ OCH ₂ CH=CH ₂	-	-	-	-	-	-	S ₁ =H
98	2	3	-	H	H	7-F	3-CH ₂ OCH ₂ CH=CH ₂	-	-	-	-	-	-	S ₁ =H
99	2	3	-	H	H	H	2-CH ₂ OCH ₂ C=CH	-	-	-	-	-	-	S ₁ =H
100	2	3	-	H	H	5-F	2-CH ₂ OCH ₂ C=CH	-	-	-	-	-	-	S ₁ =H

Comp. no.	X	m	Y	R ₅	R ₆	(R ₇) _n	R	Z	A	S ₆ +S ₇	P	T	Q	Remarks
101	form. 2	3	-	H	H	7-F	2-CH ₂ OCH ₂ C≡CH	-	-	-	-	-	-	S ₁ =H
102	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =C ₃ H ₇ , S ₁ =S ₃ =S ₅ =H
103	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =C ₃ H ₇ , S ₁ =S ₃ =S ₅ =H
104	1	3	O	H	H	7-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =C ₃ H ₇ , S ₁ =S ₃ =S ₅ =H
105	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₅ =CH ₃ , S ₁ =S ₃ =H
106	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₅ =CH ₃ , S ₁ =S ₃ =H
107	1	3	O	H	H	7-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₅ =CH ₃ , S ₁ =S ₃ =H
108	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =benzyl, S ₁ =S ₃ =S ₅ =H
109	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =benzyl, S ₁ =S ₃ =S ₅ =H
110	1	3	O	H	H	7-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =benzyl, S ₁ =S ₃ =S ₅ =H
111	2	3	-	H	H	H	3-CH ₂ OCH ₂ C≡CCH ₃	-	-	-	-	-	-	S ₁ =H
112	2	3	-	H	H	H	2-CH ₂ OCH ₂ C≡CCH ₃	-	-	-	-	-	-	S ₁ =H
113	2	3	-	H	H	5-F	2-CH ₂ OCH ₂ C≡CCH ₃	-	-	-	-	-	-	S ₁ =H
114	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₃ =CH ₃ , S ₁ =S ₅ =H
115	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₃ =CH ₃ , S ₁ =S ₅ =H
116	2	3	-	H	H	H	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
117	2	3	-	H	H	5-F	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
118	2	3	-	H	H	5-F	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
119	2	3	-	H	H	H	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H
120	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₅ =CH ₃ , S ₁ =S ₃ =H
121	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₅ =CH ₃ , S ₁ =S ₃ =H
122	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₅ =CH ₃ , S ₁ =S ₃ =H
123	1	3	O	H	H	H	-	-	-	-	-	-	-	S ₄ =oxo, S ₂ =S ₅ =CH ₃ , S ₁ =S ₃ =H
124	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₁ =7-Cl, S ₂ =S ₃ =S ₅ =CH ₃
125	1	3	O	H	H	5-F	-	-	-	-	-	-	-	S ₄ =oxo, S ₁ =H, S ₂ =S ₃ =S ₅ =CH ₃
126	2	3	-	H	H	5-F	3-CH ₂ OCH ₃	-	-	-	-	-	-	S ₁ =H